



**PATENT**  
Attorney Docket No. 206579  
Client Reference No. 97/33267-IGB

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Kiesewetter et al.

Application No. 09/646,651

Filed: January 16, 2001

For: METAL-CONTAINING RIBONUCLEOTIDE  
POLYPEPTIDES

Art Unit: 1635

Examiner: J. Schultz

**RECEIVED**

OCT 31 2002

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**PENDING CLAIMS AFTER AMENDMENTS  
MADE IN RESPONSE TO OFFICE ACTION DATED SEPTEMBER 19, 2002**

8. A metal-containing ribonucleotide protein (RPN) containing a protein from the family of S100 proteins, an RNA and copper as metal ion in the form of a ternary complex, characterized in that the RNA of the ternary complex has the following sequences:

(a1) ARNA I

Klon-3a (ARNA I)

AAAAAAAAAGGUUUUCAUGCGUGCUCACAGAUCAGCUCUUCUGGAU  
UGAAAAGCUAACGACAGAACAUCAUGGGAAAAUCCUUCAUAUGGCUGUGUU  
UACAAACAAAAAGUAUAACAUCAUCUUGAGCAAACAGAAAUGGUGAGGAAAA  
CUUUGUUAGCAGAUUAG [SEQ ID NO:3]

or

(a2) ARNA VI

Klon-P10 (ARNA VI)

UUACAGCUCUUCUGUUUAAGUUAUCAAUACCAAAUUAGUAGUU  
UGUAUGUUAAAUAUUGUAGGAAAAAUUAUUAUGCUUACUUUGUACA  
AAAAAAUAAAAACAUGACUUCUUAGACACCUUCAUUAGAAAUAUAAA  
AAAUAACUAUUAGCAGUUUGACUUCAUGUUCUGUCUGUAGGUCAUGGA  
AUCCUGUCCUACAAUAUUAUUGAUUGUGAAAAUAUCAGUAAAUAAGCA  
AUUGAAUAUGUUACCUUUCUUCUAGUCACUAUGUUCUUAGAGUUUAUGA  
CA [SEQ ID NO:4]

9. A process for producing a metal-containing ribonucleotide protein (RPN) according to claim 8, characterized in that leucocytes or inflammation tissue is homogenized or leucocytes are cultivated and the resulting RNP is recovered from the homogenates or from the supernatant of the culture solution by standard methods.

10. A use of the metal-containing ribonucleotide protein (RPN) according to claim 8 and/or molecular-biological equivalent structures and/or fragments and/or derivatives for producing a medicament for specifically influencing angiogenesis.